



Fig. 1

1 GTGACTTAT TCAATTGATG GCGTACATGG TAGTCCCATC CTTCCTTTTC TAACAGCGT TUTATAAAAG
71 CTGGTCCGT TTCACTAAGT TGAACACAACT ACTCATGATT TTCCCACTT CCGGAAAGCG AAAAGTGAAA
141 ATAGCTTTTG AGATCAAGCT GTTCTAAGCA GTTTCAATG ATCTTTTTCG TCGTTACGTT TTGAAAAATC
211 TGACGACTGC GTTTTATTTT CAACAAGCTA AGTGGATGCA ATATCTCTAT TTGATAATAA AACTGCTGCT
281 TGTCTTTGCT ATATGCTGTG AATTGACAGG TGCTACATAT ACCTGAAAAA AAAGCTTTTC CAGAACTTAA
351 TTGTAAGAC ACACAAACAG CTTTACCTAG GTTTTGTGTA TGATCTGCA TTTTTCGCGC GATGGAAGCG
421 GAAAAGTAC ACCGCGCGGA TACGCTTTTC TCTCGATTA ATTCGCTGAC AATATAACTT TTGCTATCTG
491 AAAGCTTAAT GGTGAGGAGG CGGTTTTCCT GCTTTAATTC GTTACTGCTC ATATCAATT AATTCACAT
561 TAAATAAACA GTTCTAAAAA GCTTTTATTT GATGGAATAT TGAAAAATAT CACATAATAA TTGATGCTAT
631 TATTACTTGC TGTATGTTA TCAACTTTCA TGCTCTATAC ATGTAATATA TTGGAATTA GACCTTAAT
701 CAGGTAATT TGTCTATTTA ATTATTATCT GAATAATATG TAATGGAATG GTTTGTGTTT ATTTTTAAAT
771 TTGTTTCAAT TTTAATGAGG GTGAGCTTGT GCACTCATAT TTTTATGAT GACACATCT TTGATGAAAT
841 ATTAAAGATA TTGTAATGC ATGAGCGGTT TCGGTATATT TTTATATTA AATCAATAA AAATCAACAA
911 TATATTTAT TTGTGCTTT TTTATAGTGT TCTTTAAAG AGTAAAGATG ACCTAAAGGT CGGCTAAATA
981 TGCGTAAAT TGCGATGCT ATAAATCAC TCAAGATAC ACTATTGCA ~~AAATGACAA~~ TATTGACTT
1051 ~~GTATGAAAC~~ ~~AAATATGTA~~ GATTTTUTTT TTGCTGAAA AATAAAAAAT TTCTGCTGTA AAATAACTCA
1121 AGCGCTTAG GCTTTTCTTT TATCTTAAAA TACAGGAAAT AGCGATTGAA GTTAATGAC ACTTAAGCTA
1191 ATAGTCAAC TAACAGAGCA ~~GGAACCTATT~~ ^{S-D} ~~CTTTTCTCAA~~ ^{- ORF A} AGCATCAAT TGAGCAACTT TCTAAAGCTC
1261 TGAGTGATGA TTGATCTGT GCGTTTATC TTAAGCTGAA AAAAGTCTT TTGCGCCAT TACGTAATGA
1331 ATTTAATGTC GCGCAACTG CGCTGCTTAA GCTAAGTCAA AACGCTAGTG CTGACGAGAG AGATGCTTAA
1401 CAGAGGCA TGTCTAATA AGTGAAGAT TGTCTGAC AGTTGTAGG AACATTTTC AAAACAACCC
1471 AGAGATAGC AGCTCATCTC ATGCTTTGTT GCTGCTCAAT TCTTCTGGA TACCAATTA GAAAGTCTG
1541 CGAATAGCT TGAGTGTTTA GCGGATTAA GTGAGAGCA CTGGGATCAC CTCAGGCTG TACTAGCAAT
1611 TGAAGGCTC AAATCTGATG ATGATAAGGG CAAGGAAAGA GAGCAAGCA ATGCGAAAGT TAAAGCATTT

1681 TTCAACTAG TCGCGATAG CGAGGAAAGC TGATTTCT ATGCGCGGCT GCTGCAACTG CGCTTAGTGG
1751 GCGAAGTGAC GTTTTTCGAC TTCAAAAGTG CAGAGAGAAA AGCGGAAATC AGCGCACTGA AATCTATGCT
1821 TACGACCAAG GTGCGCGAAG AGCGTTTTCG AATTCATTC AGATGGAAG AACCGAAAGG TTGTGTCAGC
1891 CAATGATAT GTTTTTCAGC GTTGTGAGC ACTAAGTGT ATCTCTAGG CAGTCAAGT ACCAAGCTGG
1961 GATTTGCGAA GTCACTGCTT AGCGTTTTCG AAAAGCTTT GTTTCATCTA AGTGAATTA AGTTAGCACC
2031 GAAAGCGGAG CGCAAGAGAG TAGAGCAAGA GTTTGCGGAA AGTTCAAGTT CTGAGCGGGA GCTGCGAAGC
2101 CATATGATA CAAAACATAT AGAGCGAATA CGATGCGAT CAGAGCAAGC TCAAGCTTA AGCAACACT
2171 TACAGCGAGG AAAGCTCTCT GACTGCGTA ATTTAAACA TATGAAGGGA GACTTAGCTT TGCAATTTGT
2241 GAGAGAAATC TGTGATTT TTGCGAGAG CGAAGCGCAT AGCGCAATTT CATTTTUTT AGAAAAAGCG
2311 ATGATAGGG GATATTTATC CTTAAGTGA TTGCTGCGAG AATGATGTC GGAACAAAGC GGTGAGGCTC
2381 TTAGTAGGAT TTTAATGCG GCGGATTTGA ATCATCTGGA TCAAGTTTTC CTGCGGAGAG TGAGTACTCC
2451 AACGTTGCGC ATTTAAAGCG CGCAACAGC TCAAGCGAAG GCTTCTGTT CGATCGCGG AAGTTGTTGA
2521 GAGCATGAT CTCAGACTTC GCTGTAGAT AGCGAATCTA AGCAAGATCA AAAAGCACAA TCACTGCTA
2591 GCTGCGCTCT GATTTGTTAA TTGTTTAA ^{S-D} ~~AAAATAGGGA~~ ^{- ORF B} ~~AAAATCATG~~ CAGTATTTA CATGCTGTA
2661 AGCGGTCTTC AAGTTGAGGG CGCAGCGACT ATCGTCAAG TAGAAGCGCG TGAAGTTAAA AATGAGCGTT
2731 GTTTTCAGT CAAGCTTTAC TCTTGGGTT GCGCTGTTAA GCTTCTATG GACATGCTTA AGCGACCAA
2801 TGCGGATTC GCAATGTTT GCTAAGCGA AGTTAGCTTA ACTAAGAGG TGATGCTGC TTCTGAAGAC
2871 CTACTGCTT ATTTAATCAA CGCAGTTAAA GAGGTAAGAA GTTTGAGGT TGCAATTAAT AGCGCTTCTA
2941 AGATGCTCA AGTGCAGAC GTTACTTTC AAGTTAAGCT AGAAAAAGCA GTTTAGTTT CTACAAAGT
3011 GAGCGGACT GAGCGATCTC AACGTAAGG GAGCTATCT GTTCTTACA GTTCAATTC TCAAGAGCAT
3081 CACTATGAGA AAGAAAGTGG TGAAGTACA AGCGGTGCTG TTGTGACTTA CGAGCTAGCG AGCGGAAAAA
3151 TGACTTCTG TAAATATTC TTCAATGAG CATGCGAGT TAAATGCAAT GTTATTTCA TGAATATCTC
3221 ~~ATTTAGGAG~~ ^{S-D} ~~AGCGTATG~~ ^{- ORF C} CATTAAGTCA ACAATATAAG CGCTTAGTA AGAAGCGTGT CAGCATCAC
3291 CTATGAGCTT GAAAGGAATG GCGCGTAAA GAGGAAAGAG CTGCGTTTGT TTGTTGCGGT CATGCGGAC
3361 TTTTCAAGAC ACAAGCAGA ATCAGAAAAA GTTGAATTAG AAGAGCGAGA GTTCAGCGGT ATCGATAAAG
3431 ACAAGTCTGA TACAGTATG GCGCAATTC AGCGCGTCT TTGTAAGAG GTTGATAACA AGCTGCTTAA
3501 TGATGATAG CAGTTGAGG TGAAGTTGAG GCTGCTTTCG ATGAAAGATT TCAAGCAGA GAACTTAGTT
3571 GATNAATTT AGCGGCTTAA

Fig 2

1 MPLSKHQIEQLSKPLSDDSIQGVYLKLEKSAFRPLRNEFNVAQTALRKLSQNPSADERDALQEACLNKWK
71 ILSDSLYEQFSKTTTRDIELISWFVAAQFLDITLESAAANSLEWLADLSEKHWDHLNPVLPVETLKSDDDK
141 GKEREQADAKVKAFFQLVGDSEESSILYAPVLQPLVGEVTFDFQSAERKGEISQLKSMLTTTVAQER
211 FAIQFKMENAKRCVTQLDRLSALVSTKCHSLGSQSTNFGFAKSLLTRVENALVHLSGIKLAPKAEAKTVE
281 QEVAESSVSEGELPSHMDTKHIERIPMASEQAQTVSQHLHAGNLSELGNLNNMNRDLAFHLLREVSDYFR
351 QSEPHSPISFLEKAIRWGYLSPELLREMMSEQNGDALSTIFNAAGLNHLDQVLLPEVSTPTVGIESPQ
421 TPQAKPSVSDPRSVEEHVSQTSPVDTQSKQDQKPQSSATSALSW*

Fig. 3a

1 MASIYMRVSLQVEGAATIGQLETAEGKNDGWFAINSYSWGGARNVAMDIGNGTNADSGMVGVSSESVTK
71 EVDGASEDLLSYLFNPGKDGMTVEVAFTKPSNDGQGADVVFQVKLEKARLVSYNVSGTDGSPYESLSLS
141 YTSISQKHYY EKEGGELQSGGVVITYDLPTGKMTSGK*

Fig. 3b

1 MALNSQHKRVSKNRYSITYDVETNGAVKTKELPFVVGVI GDFSGHKPESEKVDLEEREFTGIDKDNFDTV
71 MGQIHPRLSYKVDNKLANDDSQFEVNLSLRSMKDFHPENLVDXIEPL

Fig. 3c